



Recombinant strain ATCC 204508 / S288c HSP12 Protein Product Manual

1. Product Basic Information

Product No.: REP07156

Protein Name: 12 Kda Heat Shock Protein (Glucose And Lipid-Regulated Protein)
Hsp12 Glp1 Hor5 Yfl014W (HSP12)

Aliases: 12 kDa heat shock protein (Glucose and lipid-regulated protein) HSP12
GLP1 HOR5 YFL014W

UniProt ID: P22943

UniProt Link: <https://www.uniprot.org/uniprotkb/P22943/entry>

Species Source: Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast)

Expression System: E.coli

Protein Length: Full Length (1-109aa)

Molecular Weight: 18.6 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-109aa)

MSDAGRKGFGGEKASEALKPDSQKSYAEQGKEYITDKADKVAGKVQPEDNKGVFQ
GVHDSAEGKGDNAEGQGESLADQARDYMGAAKSKLNDAVEYVSGRVHGEEDPTK
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3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant strain ATCC 204508 / S288c HSP12 full length protein (1-109aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. HSP12, also known as 12 kDa heat shock protein (Glucose and lipid-regulated protein) HSP12 GLP1 HOR5 YFL014W, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.